

CLAIMS

1. A process for producing a resin, the process comprising reacting together rosin and a co-reactant in the presence of a Brønsted acid, where the co-reactant is a phenolic compound or a terpene-phenol resin.
2. The process of claim 1 wherein rosin is reacted with a terpene-phenol resin.
3. The process of claim 2 wherein the terpene-phenol resin has a softening point of 125-150°C.
4. The process of claim 2 wherein rosin and terpene-phenol are reacted together in a rosin:terpene-phenol weight ratio of 40:60 to 60:40.
5. The process of claim 1 wherein rosin is reacted with phenol.
6. The process of claim 5 wherein rosin and phenol are reacted together in a rosin:phenol weight ratio of 70:30 to 90:10.
7. The process of claim 1 wherein rosin is reacted with C₁-C₁₂ alkylphenol.
8. The process of claim 2 wherein a terpene selected from the group consisting of limonene, dipentene, α -pinene, β -pinene and δ -3-carene is used to prepare the terpene-phenol resin.
9. The process of claim 1 wherein the Brønsted acid is a sulfonic acid or a sulfuric acid.

10. The process of claim 9 wherein the sulfonic acid is para-toluene sulfonic acid.

11. A resin produced by the process of claim 1, having a softening point of 115-150°C, an acid number of 10-85, a Mw of 550-1400, a Mn of 405-750, and a neat Gardner color of 6-12.

12. The resin produced by the process of claim 2.

13. The resin of claim 2 having an acid number of 10-50.

14. The resin produced by the process of claim 4.

15. The resin of claim 14 having an acid number of 30-85.

16. An article of manufacture comprising chloroprene and a resin produced by the process of claim 1.

17. An article of manufacture comprising chloroprene and a resin produced by the process of claim 2.

18. An article of manufacture comprising chloroprene and a resin produced by the process of claim 5.

19. A process for preparing a chloroprene cement comprising combining chloroprene, a metal oxide, hydrocarbon solvent, and the resin of claim 12.

20. A process for preparing a chloroprene cement comprising combining chloroprene, a metal oxide, hydrocarbon solvent, and the resin of claim 14.